

Title: SYSTEM AND METHOD FOR MINIMIZING DISPLAY IMAGE SIZE BY APPROXIMATING PIXEL DISPLAY **ATTRIBUTES** S.P. Proteau et al. Inventors: Docket No.: MSFT119970 U.S. Express Mail No.: EV 291184222 US 2/13 200 START DISPLAY DATA PROCESSING **ROUTINE OBTAIN FIRST** 202 **IMAGE OBTAIN DISPLAY** 204 ATTRIBUTE FORMAT DATA (FIG. 3) OBTAIN FIRST PIXEL IN 206 **IMAGE OPTIMIZE PIXEL COLOR VALUE** 208 (FIGS. 4 & 5 OR FIGS. 9 & 10) 210 **OPTIMIZE PIXEL** TRANSPARENCY VALUE **OBTAIN PIXELS** 212 YES **NEXT** REMAINING **PIXEL** ? 214 NO TRANSMIT **IMAGES OBTAIN** NO 220 YES **CONTENT** REMAINING **NEXT DATA IMAGE** 216 218 222 **END** Fig.2.

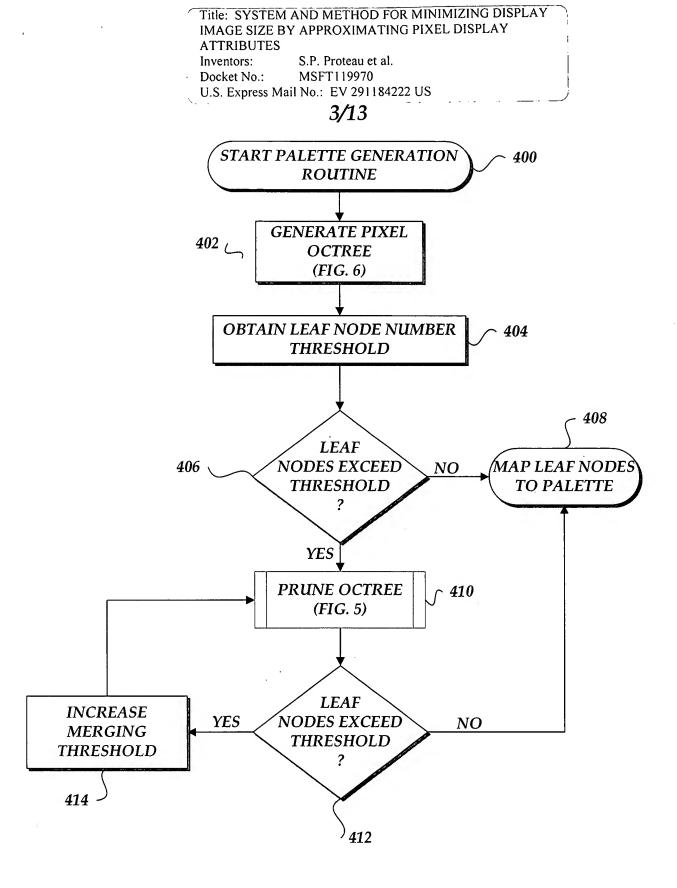


Fig.4.

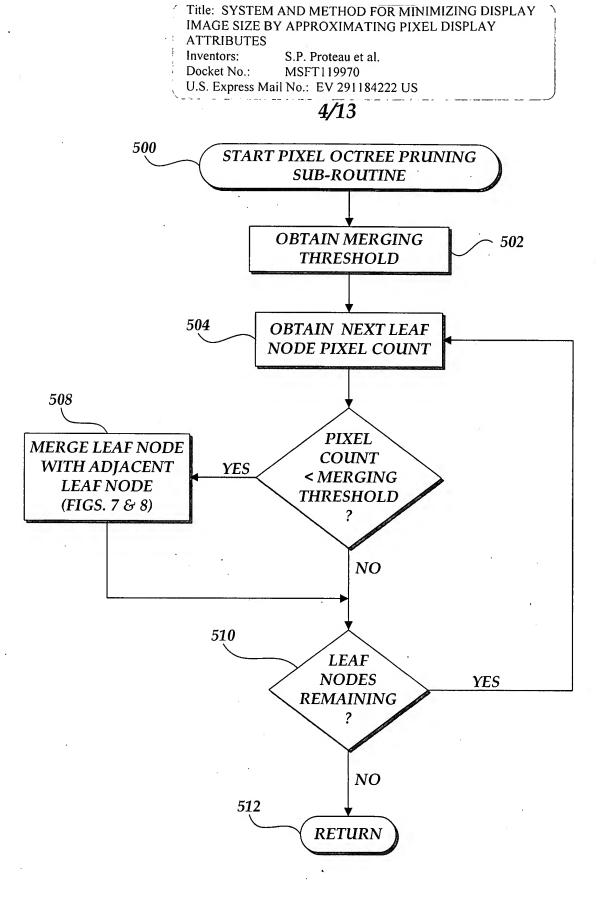


Fig.5.

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IMAGE SIZE BY APPROXIMATING PIXEL DISPLAY

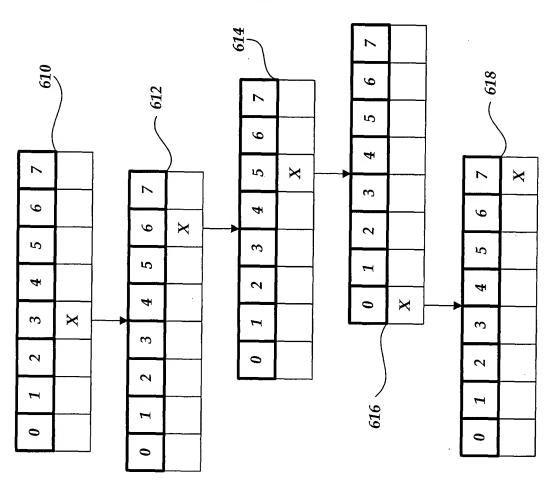
**ATTRIBUTES** 

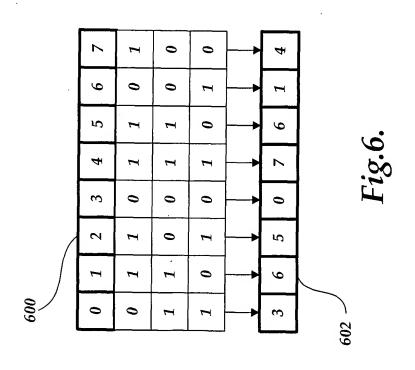
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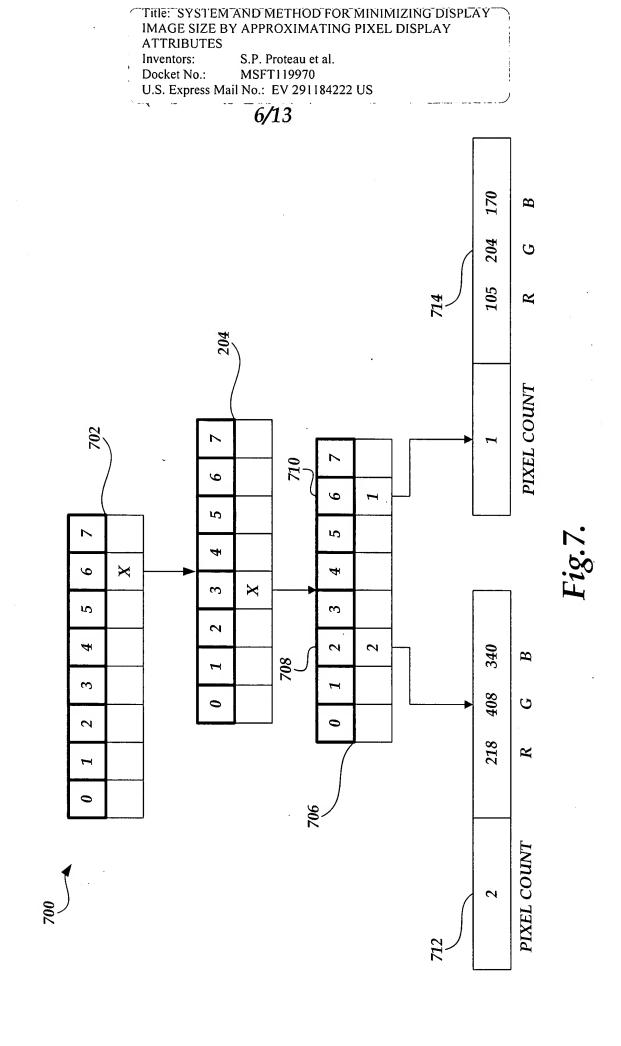
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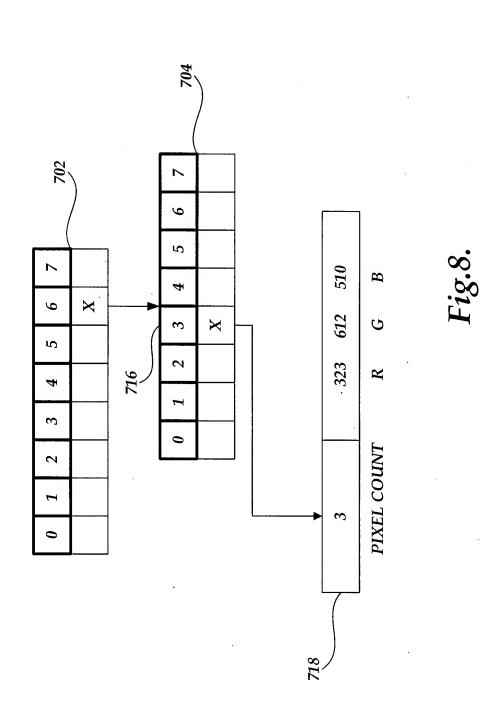
**ATTRIBUTES** 

Inventors:
Docket No.:

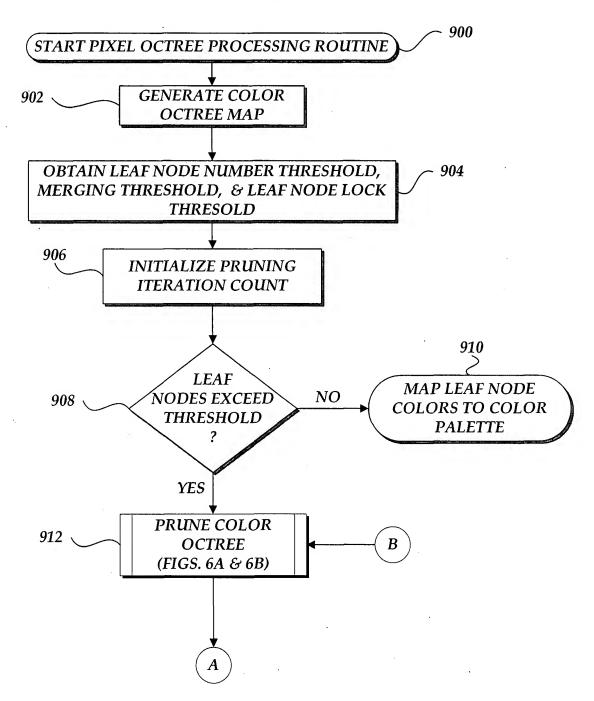
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Docket No.: MSFT119970 U.S. Express Mail No.: EV 291184222 US 9/13 920 **RESET PRUNING COUNT**  $\boldsymbol{A}$ AND INCREASE **MERGING THRESHOLD** YES 918 914 **LEAF LEAF** NODES EXCEED NODES NUMBER YES **THRESHOLD** REDUCED NO 924 · NO 922 MAP LEAF NODE **COLORS TO COLOR** PRUNINĞ **INCREASE PALETTE** COUNT > MERGING YES **THRESHOLD** THRESHOLD AND 916 -PRUNING COUNT YES DECREASE UNIQUE COLOR LOCK THRESHOLD AND RESET MERGING THRESHOLD AND PRUNING COUNT 9<sup>2</sup>6

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Fig.9B.

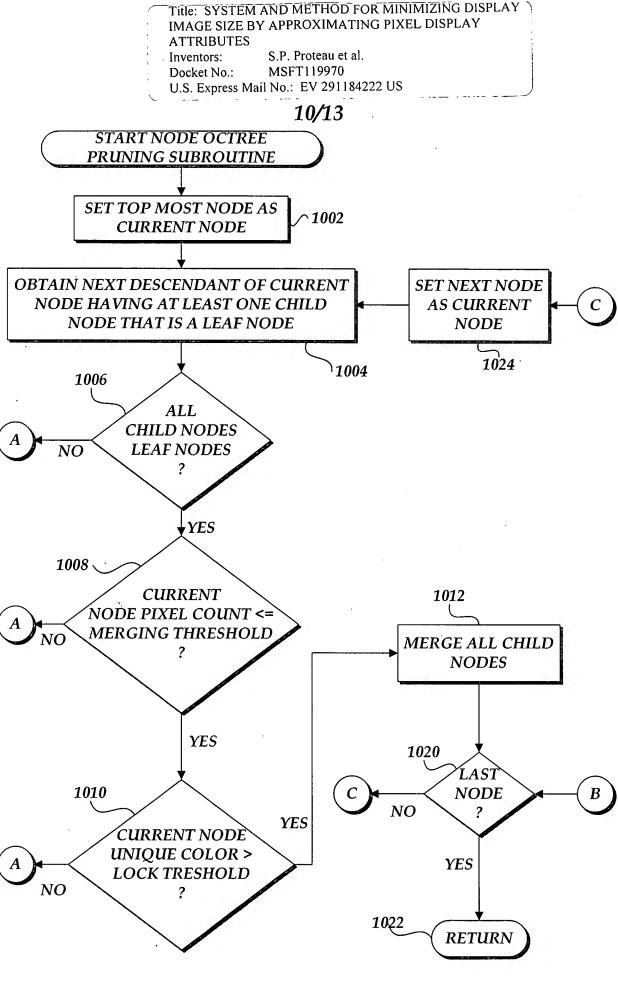


Fig.10A.

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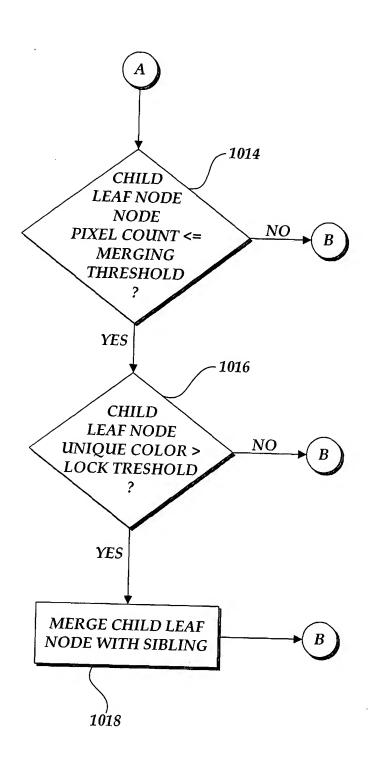


Fig.10B.

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X: 8 -> 1

Fig.11.

